

[54] **ELECTRIC MODULE LATCH ASSEMBLY**

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[58] Field of Search 200/50 R, 54 A, 50 AA, 200/318, 321-325; 361/331, 332, 335, 338, 339, 390, 391, 392, 415; 312/320

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[57] **ABSTRACT**

An electronic module (6) and integrally mounted latch assembly (2) includes a latch handle assembly (4) mounted to the module and a keeper (8) mounted to a housing (10). The latch handle assembly includes a U-shaped handle (18) having an elongate lever (42) pivotally mounted to one leg (22) of the handle at latch end (46) of the lever. The latch end has a cam surface (64) which engages the keeper. The outer, catch end (44) of the lever is configured to engage a spring-loaded catch button (50) mounted to the other leg (20) of the handle. A disenable switch pin (72) is mounted to the handle to resiliently engage the underside (80) of the lever so that when the lever is in the latched position, the lever keeps the disenable switch pin depressed. The pin is long enough to engage an enable switch (96) within the housing when so depressed. The initial movement of the lever away from, and the final movement towards, the handle permits the electrical connectors (12, 14) coupling the module and housing to be disconnected, and connected, under no-load conditions. The keeper is mounted to the housing so that it can move a short distance towards and away from the housing while being spring biased (70) towards the housing.

10 Claims, 2 Drawing Sheets

